



**GWINN FOREST MANAGEMENT UNIT
COMPARTMENT REVIEW PRESENTATION**

COMPARTMENT # 218 ENTRY YEAR: 2008

Compartment Acreage: 1047 County: Marquette

Revision Date: September 8, 2006

Stand Examiner: Dean Wilson

Legal Description: T46N-R28W, sections 3, 10, 15.

RMU (if applicable):

Management Goals: Habitat/vegetation and mixed use.

Soil and Topography: Glacial drainage ways and outwash plains form topography that is nearly level to moderately steep. Soils are courser sands to loamy sands.

Ownership Patterns, Development, and Land Use in and Around the Compartment: This compartment is bordered by small non-industrial private ownerships to the north east and south. The west side is adjacent to State land. Land use is primarily for forest production and passive recreation.

Unique, Natural Features (include only non-site specific and non-sensitive information): The Escanaba River flows through the northern portion of this compartment. The Black River flows the the southern part of this tract. A third drain that forms unique wetland habitats and contains the Sleeman Pond (a small lake) flows through the middle of this land.

Archeological, Historical, and Cultural Features (include only non-site specific and non-sensitive information): The Black River Falls Campground (now abandoned) was constructed in this compartment. An extensive upland hunting dog trial course was also constructed and abandoned on this land. The Black River Falls area is now a popular day use area.

Special Management Designations or Considerations: Special Conservation Areas (formally know as Old Growth stands) are shown on the attached map.

Watershed and Fisheries Considerations: Special conservation areas are designated to protect the surface waters and related bottom lands in this compartment.

Wildlife Habitat Considerations: We should try to maintain the diversity of this compartment by striving for the best possible age class distribution in aspen, managing for the large pine qualities in stands 43,45, and 46, and maintaining the values of the riparian areas along the creeks, rivers, and small ponds. This compartment has an abundance of hunting, wildlife viewing, and trapping opportunities.

Mineral Resource and Development Concerns and/or Restrictions: Surface sediments consist of thin to discontinuous glacial outwash sand and gravel and postglacial alluvium over bedrock. The glacial drift thickness varies between 10 and 50 feet. The Precambrian Archean Granite/Gneiss subcrops below the glacial drift. This rock could be used as a dimension stone. A gravel pit is located in Section 2 and there should be potential. The abandoned Republic iron mine is located seven miles to the west. This compartment has not been leased for metallic exploration recently, but active leases are located one mile to the southwest. There is no economic oil and gas production in the UP.

Vehicle Access: Is good to and internally in this compartment.

Survey Needs: None.

Recreational Facilities and Opportunities: There is no developed recreation in this compartment. The heaviest public use is for hunting, fishing, and trapping.

Fire Protection: Fire protection is important in this area as the forest types are flammable and the fire urban interface exists. This compartment is in a zone dispatch area.

Additional Compartment Information:

- **The following 5 reports from the Operations Inventory System (OIPC) are attached:**
 - ◆ **Cover Type by Age Class**
 - ◆ **Cover Type by Management Objective**
 - ◆ **Compartment Volume Summary**
 - ◆ **Proposed Treatments – No Limiting Factors**
 - ◆ **Proposed Treatments – With Limiting Factors**

- **The following information is displayed, where pertinent, on the attached compartment maps:**
 - ◆ **Base feature information, stand numbers, cover types**
 - ◆ **Proposed treatments**
 - ◆ **Proposed road access system**
 - ◆ **Suggested special conservation areas**

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Michigan Department of Natural Resources - Operations Inventory System
Individual Compartment Report

ESCANABA RIVER STATE FOREST

GWINN FOREST MGT UNIT

MARQUETTE COUNTY

COMPARTMENT: 218

Table 3

(acres shown in boxes)

STAND AGE CLASS

COVER TYPE	Not Coded	0-9	10-19	20-29	30-39	40-49	50-59	60-69	70-79	80-89	90-99	100-109	110-119	120-129	130-139	140-149	150-159	All Aged	Total
Aspen		20	38	91	73	43			28									108	401
Black Spruce							11		2									24	37
Grass	1																		1
Jack Pine		46	11	5	11	28	60		13	2								11	187
Lowlnd Brush	86																		86
Marsh	35																		35
Paper Birch									18										18
Red Pine		48	11			54				19								88	220
Spruce Fir																		10	10
Treed Bog	4																		4
Upland Brush	13																		13
Upland Hdwds		6																	6
Water	12																		12
White Pine																		17	17
Total	151	120	60	96	84	125	71		61	21								258	1047

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Michigan Department of Natural Resources - Operations Inventory System
Individual Compartment Report

ESCANABA RIVER STATE FOREST

GWINN FOREST MGT UNIT

MARQUETTE COUNTY

COMPARTMENT: 218

Table 3A

(acres shown in boxes)

MANAGEMENT OBJECTIVE TYPE

COVER TYPE	A	S	V	C	G	H	J	I	L	P	N	Q	X	O	B	R	K	Y	F	E	T	D	U	M	Z	W	Total
A Aspen	401																										401
S Black Spruce		37																									37
G Grass					1																						1
J Jack Pine							187																				187
L Lowlnd Brush									86																		86
N Marsh											35																35
B Paper Birch															18												18
R Red Pine																220											220
F Spruce Fir																			10								10
D Treed Bog																						4					4
U Upland Brush																								13			13
M Upland Hdwds																								6			6
Z Water																									12		12
W White Pine																										17	17
Total	401	37			1		187		86		35				18	220			10			4	13	6	12	17	1047

ESCANABA RIVER STATE FOREST

GWINN FOREST MGT UNIT

MARQUETTE COUNTY

COMPARTMENT: **218**

Table 10 - COMPARTMENT VOLUME SUMMARY - ALL STANDS

COMPARTMENT SUMMARY			
TOTAL VOLUME		CUT VOLUME	
Hardwood	3336 Cds	Hardwood	714 Cds
Hardwood	44 Mbf	Hardwood	25 Mbf
Softwood	5696 Cds	Softwood	1469 Cds
Softwood	961 Mbf	Softwood	11 Mbf
Sum TotVol	11042 Cds	Sum CutVol	2255 Cds
Total Cmpt Acres		Acres Proposed For Cut.....	143
1047			

GWINN FOREST MGT UNIT

**Proposed Treatments
With NO Limiting Factors**

Compartment: 218 **Entry Year: 2008**

Stand	Cover Type	Acres	Age	Site Index	Mgt Obj	Condition	Method Cut	Harvest Priority	Cultural Need	FDF Status	
1	J6	34	56	60	jack pine	mature	final harvest	1	direct seeding		
comnts Fmd : PART OF STAND WAS PLANTED TO RED PINE 1959, JACK PINE DOMINATED. Note that on 5/6/99 we disposed of 1.4 acres on the south end of this stand via a land exchange.											
19	J6	6	70	64	jack pine	mature	final harvest	2	direct seeding		
comnts Fmd : Leave white birch seed trees as residuals. Spruce-fir will likely regenerate in this stand and can be considered a back-up management objective.											
28	A5	14	71	50	aspen (upland)	mature	final harvest	2			
comnts Fmd : Low quality off site aspen. Stocking ranges.											
43	R9	16		60	red pine	unevenaged	shelterwood-prep	1			
comnts Fmd : Stocking ranges due to moderate to heavy windthrow resulting from the storm of 7/21/02. White pine and other species that will regenerate in this mixed forest is considered as a back-up management objective.											
45	B6	18	70	55	paper birch	mature	seed tree	1			
comnts Fmd : Leave spruce-fir seed trees along with the birch. White pine is considered a back-up management objective.											
46	R9	55		60	red pine	unevenaged	shelterwood-prep	1			
comnts Fmd : White pine is considered a bak-up management objective along with the other species of trees that will make up this mixed forest.											
Total Acres.....		143									

**Proposed Treatments
With Limiting Factors**

Compartment: 218

Entry Year: 2008

Stand	Cover Type	Acres	Age	Site Index	Mgt Obj	Condition	Method Cut	Harvest Priority	Cultural Need	FD Status
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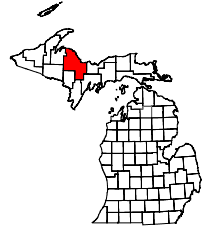
TREATMENT LIMITING FACTORS:

Total Acres..... 0

Compartment 218
 T46N, R28W, Sec. 3, 10, 15
 County: Marquette
 Unit: Gwinn
 YOE: 2008
 Acres: 1,047 GIS Calculated
 Stand Examiner: Dean Wilson
 Map Revised: 9/14/2006
 Map Phase: Pre-review

Field Map

3
10
15



Legend

- Miris Corners
- County Paved Roads
- County Gravel Roads
- Poor Dirt Roads
- Stand Boundary
- Biodiversity/Old Growth Areas
- 100 - Final Harvest
- 135 - Final Harvest/Direct Seeding/Mechanical, other
- 200 - Seed Tree
- 700 - Shelterwood-prep

